

YASNITSKIY, B.G.

"Investigating the Reaction Mechanism of Chlorosulfonic Acid With Certain Aromatic Compounds." Cand Chem Sci, All-Union Sci Res Chemicopharmaceutical Inst imeni S. Ordzhonikidze, Min Health USSR, Khar'kov, 1953. (XI, No 15, Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).

YASNITSKIY, B.Yu. (see 2-6.)

Mechanism of reaction of chlorosulfonic acid with some aromatic compounds.  
Zhur. Obshchei Khim. 23, 107-16 '53. (MLRA 6:3)  
(CA 48 no.2:625 '54)

1. Lab. Chem. Technol., Chem-Pharm. Inst., Kharkov.

YASNIISKIY, B. G.

sect (B.C.)

Chemical Abstracts  
May 25, 1954  
General and Physical  
Chemistry

4  
// Kinetic processes of chlorosulfonation. II. B. Ya. Yasniiskii (Zel. Research Chem.-Pharm. Inst., Kharkov). *Zhur. Obshchei Khim.* 23, 1053-66 (1953); cl. C.A. 48, 625d. Four equations expressing the rates of 4 basic reactions that take place during chlorosulfonation are set up and analyzed in the light of available exptl. data. The erroneous conclusion accepted by many that a true equil. exists (Spryskov, *et al.*, C.A. 40, 6608c) is explained by the existence of a "pseudo-equil.," for no true equil. can exist as long as an excess of  $\text{ClSO}_3\text{H}$  is present. When the degree of chlorosulfonation ( $x$ ) is such that all of the  $\text{ArH}$  has reacted to form  $\text{ArSO}_3\text{H}$  ( $K_1$ , rate const.) and  $\text{ArSO}_2\text{Cl}$  ( $K_2$ ), then  $dx_1/dt = dx_2/dt = 0$ . Graphically, plots of  $dx_i/dt$  vs.  $x$  for arbitrarily (within the range of exptl. data) chosen values of  $K_1$  and  $K_2$  cross the zero axis—the "pseudo-equil." The reaction goes on beyond this point,  $\text{ArSO}_3\text{H}$  reacts with  $\text{ClSO}_3\text{H}$  to form  $\text{ArSO}_2\text{Cl}$  and  $\text{H}_2\text{SO}_4$  ( $K_3$ ), and these react reversibly or to form  $\text{ArSO}_3\text{H}$ ,  $\text{SO}_2$ , and  $\text{HCl}$  ( $K_4$ ). It is also shown that when  $dx_i/dt = 0$ , the reversible reaction depends on the square of  $\text{H}_2\text{SO}_4$  concn. This refutes the conclusion that  $\text{H}_2\text{SO}_4$  plays no part in chlorosulfonation (Solodov, *et al.*, C.A. 44, 2468c). For best yields a high concn. of  $\text{ClSO}_3\text{H}$  and a low concn. of  $\text{H}_2\text{SO}_4$  are required; the process must stop at the pseudoequil., and the temp. must be such that  $K_1 \gg K_2$ .  
I. Benicowitz

YASNITSKIY, B.G. (See B.G.)

✓Chemical stability of some substances in a medium containing chloroacetaldehyde, trichloroethane, hydrochloric acid, and chloroacetic acid. B. G. Yasnitskiy and E. N. Dol'berg (Sci. Research Chem.-Pharm. Inst., Kharkov). *Med. Prom. S.S.S.R.* 1955, No. 2, 39-42.—The stability of steel, siliceous material (I), and material of org. origin (II) was studied in solns. contg. up to  $\text{CH}_2\text{ClCHO}$  14%,  $\text{HCl}$  13%,  $\text{CHCl}_2\text{CH}_2\text{Cl}$  0.8%, and  $\text{CH}_2\text{ClCOOH}$  0.5%. Ferrosilicon steels and I appear to be stable, hence there is little corrosion. Best stability is shown by diabasic and "Xeret" cements. In general, II is unstable; first it reaches a max. of swelling, then disintegrates. Michael Dymicky

①

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001962230002-6

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YASNITSKIY, B G.

✓ Phenylacetaldehyde B. G. Yasnitskiy and B. I. Kogan  
U S R 103,833, Sept 25, 1956.  $\text{PhCH}_2\text{CHO}$  is obtained  
by condensation of  $\text{ClCH}_2\text{CHO}$  with benzene. M. Hoch

*chem*

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CIA-RDP86-00513R001962230002-6"

*YASNITSKIY, B.G. (see B.Yu.)*

USSR/ Organic Chemistry - Synthetic organic chemistry

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 11786

E-2

Author : Yasnitskiy B.G., Dol'berg Ye B.

Title : Reaction of Interaction of Acylsulfanylylchloride with 2-Aminothiazole.  
I Study of Interaction of Di-(Caromethoxysulfamylyl)-Aminothiazole  
with 2-Aminothiazole.

Orig Pub : Zh. obshch. khimii, 1956, 26, No 7, 2046-2049.

Abstract : Study of kinetics of interaction of di-(carbomethoxysulfanylyl)-aminothiazole (I) with 2-aminothiazole (II) in  $C_6H_5Cl$ . It was found that yield of monocarbomethoxy-sulfanylyl aminothiazole (III) is considerably lower than the theoretical due to formation of by-products. Presented are kinetic curves of the dependence of the yield of III upon duration and temperature of the reaction. Mean values are determined of velocity constants of the formation of III from I, at 100 and 135°, which are  $(1.32 \pm 25\%) \cdot 10^{-3} \text{ mole}^{-1}$  and  $(4.41 \pm 21\%) \cdot 10^{-3} \text{ mole}^{-1} \text{ min}^{-1}$ , respectively. Activation energy of the process is calculated as being 12000 calories. From carbomethoxy-sulfanylylchloride and the hydrochloride of II is prepared I, MP 196-197° (from alcohol). Into 100 ml  $C_6H_5Cl$

Card 1/2

USSR/ Organic Chemistry - Synthetic organic chemistry

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 11786

E-2

are charged at 120°, 3 g II and 15.78 g I, mixture is heated 1 hour at 130°, cooled, filtered, and II is obtained in the filtrate, from 14.5 g of precipitate are isolated I and III, yield 19.3%, MP 236.5°.

Card 2/2

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CIA-RDP86-00513R001962230002-6

YASNITSKI, B. G.

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CIA-RDP86-00513R001962230002-6"

2-Chloroacrylic acid, B. G. Yasnitski and S. A. Sarkis'.  
vants. U.S.S.R. 194,873, Apr. 25, 1957. The title  
compd. is obtained in the presence of a polymerization in-  
hibitor. Chloroethylene cyanohydrin is treated with concd.  
H<sub>2</sub>SO<sub>4</sub> and H<sub>2</sub>O and ClCH=CHCO<sub>2</sub>H from the product with  
a solvent. In carrying out this reaction twice as much H<sub>2</sub>O  
is taken as the theoretical quantity. Resublimation is pre-  
vented by keeping the temp. at 6-10° when the H<sub>2</sub>SO<sub>4</sub> is  
added. M. Rosh

3  
1-4E4j  
1-4E22(1)  
2 may  
1-4E3G

RM

YASNITSKIY, B.G.; DOL'BERG, Ye.B.

Interaction between acetyl sulfanilyl ohloride and 2-aminothio-  
pyrrole. Part 2: Interaction between carbomethoxy sulfanilii  
chloride and 2-aminothiopyrrole. Zhur. ob. khim. 26 no.10:2859-  
2862 0 '56. (MIRA 11:3)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy  
institut.

(Pyrrole) (Sulfanilyl)

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CIA-RDP86-00513R001962230002-6"

YASNITSKIY, B.G., SARKIS'YANTS, S.A., DOL'BERG, Ye.B.

Polymers in the medical supplies industry. Med.prom. 12 no.12:7-12  
D'58 (MIRA 11:12)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy  
institut.

(MEDICAL SUPPLIES)

(MACROMOLECULAR COMPOUNDS)

YASHITSKIY, B.G.; ZAYTSEV, A.P.

Resistance of graphite materials to solutions of monochloroacetic aldehyde. Med.prom. 13 no.1:49-51 Ja '59. (MIRA 12:10)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut.

(GRAPHITE)

(ALDEHYDES)

YASNITSKIY, B.G.; DOL'BERG, Ye.B.

Obtaining dichloroacetylchloride by the oxidation of trichloro-  
ethylene. Med.prom. 14 no.2:39-40 F '60. (MIRA 13:5)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy  
institut.

(ACETYL CHLORIDE)

YASNITSKIY, B.G.; SATANOVSKAYA, TS.I.

Quantitative determination of monochloroacetaldehyde. Med.prom. 14  
no.11:36-38 N '60. (MIRA 13:11)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy  
institut.  
(ACETALDEHYDE)

YASNITSKIY, B.G.; DOL'BERG, Ye.B.; KOVALENKO, G.I.

Synthesis of 2-acetylamino-5-nitrothiazole. Med. prom. SSSR 14 no.12:  
35-37 D '60. (MIRA 13:12)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskii  
institut.

(THIAZOLE)

YASNITSKIY, B.G.; DOL'BERG, Ye.B.; KOVALENKO, G.I.

Improved method for producing acetylamino-thiasole.  
Med. prom. 15 no.6:42-43 Je '61. (MIRA 15:3)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut.  
(THIAZOLE)

YASNITSKIY, B.G.; ZAYTSEV, A.P.

Determination of trichloroacetic and nitric acids present together. Med. promyahl. SSSR 17 no.8:39-41 Ag'63 (MIRA 17:2)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut.



YASNITSKIY, B.G.; ZAYTSEV, A.P.

Mechanism of photochemical chlorination of chloroacetaldehyde.  
Dokl. AN SSSR 152 no.1:168-170 S '63. (MIRA 16:9)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy  
institut. Predstavleno akademikom N.N.Semenovym.  
(Acetaldehyde) (Chlorination) (Photochemistry)

YASNITSKIY, B.G. [IAsnyts'kyl, B.H.]; SARKISYANTS, S.A. [Sarkysiants, S.A.];  
IVANYUK, Ye.G. [Ivaniuk, E.H.]

Synthesis of cyclic chloroacetaldehydes. Dop. AN URSR no.2:229-232  
'64. (MIRA 17:5)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevtiches-  
kiy institut. Predstavleno akademikom AN UkrSSR A.I.Kiprianovym.

YASNITSKIY, B.G. [Asnyts'kyi, B.H.]; SARKISYANTS, S.A. [Sarkysiants, S.A.]; IVANYUK, Ye.G. [Ivaniuk, IE.H.]

Cyclic diethylamino acetals. Dop. AN URSR no. 6:776-779 '64.  
(MIRA 17:9)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut. Predstavleno akademikom AN UkrSSR A.I. Kiprianovym.

YASNITSKIY, B. G.; SARKISYANTS, S. A.; IVANYUK, Ye. G.

Derivatives of cyclic acetals. Part 1: Cyclic chloracetals and their derivatives. Zhur. ob. Khim. 34 no.6:1940-1945 Je '64.

Derivatives of cyclic acetals. Part 2: Cyclic dialkyl aminoacetals and their iodomethylates. Zhur. ob. Khim. 34 no.6:1945-1948 Je '64.  
(MIRA 17:7)

1. Khar'kovskiy nauchno-issledovatel'skiy Khimiko-farmatsevticheskiy institut.

YASNITSKIY, B.G.; DOL'BERG, Ye.B.

2-Aminothiazole. Metod. poluch. khim. reak. i prepar. no.11:  
22-25 '64. (MIRA 18:12)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy  
institut. Submitted April 1964.

YASNITSKIY, B.O.; DOL'BERG, Ye.B.; ARONOV, Yu.Ye.

Photochemical chlorination of chloral to trichloroacetyl chloride.  
Zhur.org.khim. 1 no.3:448-450 Mr '65.

(MIRA 18:4)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy  
institut.

YASNITSKIY, B.G.; IVANYUK, Ye.G.

Derivatives of cyclic acetals. Part 3: Kinetics of ionite-catalyzed reaction of chloroacetaldehyde with polyhydric alcohols. Zhur. org. khim. 1 no. 12:2118-2122 D '65 (MIRA 19:1)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut. Submitted May 6, 1964.

YASNITSKIY, B.G.; KOVALENKO, G.I.; DOL'BERG, Ye.B.

Certain regularities in the direct liquid phase photooxidation of trichloroethylene. Dokl. AN SSSR 164 no.4:831-834 O '65.

(MIRA 18:10)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut. Submitted March 22, 1965.



ROTMISTROV, M.M.; YASNITSKIY, B.Yu. [IAsnyts'kyi, B.IU]; BAYSHEVA, V.G.  
[Baisheva, V.H.]; DOL'BERG, Ye.B.

Antibacterial spectrum of korinal and trichlorazol. Visnyk.  
Kyiv. un. no.4. Ser. biol. no.2:73-76:61. (MIRA 16:6)  
(BACTERICIDES)

*Believed to be same as*

*B. G. yasnitskiy*

1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
PROCESSES AND PROPERTIES INDEX																																																			
<p>CA</p> <p>Alkalinity of the blood in osseoma. B. R. HINKOVIN AND N. N. YARMITSKY. <i>Kos- ovskiy Meditsinskij Zhurnal</i> 26, 703-8(1930); <i>J. Am. Med. Assoc.</i> 95, 1844.—<i>Urine</i> <i>ph</i> was normal but that of the blood was found to be from 0.1 to 0.5 above the av. R. C. WILLSON</p>																																																			
<p>ALSO SEE METALLURGICAL LITERATURE CLASSIFICATION</p>																																																			

11/4

CA

The treatment of dermatomycoses with picric acid.  
 N. N. Yasnitskii. *Vestnik Venerol. i Dermatol.* 1937,  
 9:1-3; *Chem. Zentr.* 1939, I, 1500. — The treatment of 20  
 cases of scabies and 45 cases of ringworm with aq. or alc.  
 picric acid reduced the av. duration of the diseases to  
 about half that with the usual treatment. M. G. M.

ASAC 154 METALLURGICAL LITERATURE CLASSIFICATION

COMMON ELEMENTS										PROCESSES AND PROPERTIES INDEX										COMMON MATERIALS INDEX									
1ST AND 2ND GROUPS										3RD AND 4TH GROUPS										5TH AND 6TH GROUPS									
CR																				119									
<p>The relation between cholesterolemia in syphilis and the Wassermann reaction. N. N. Yasnitskii and Z. D. Elina. <i>Vestnik Venerol. i Dermatol.</i> 1938, No. 6, 64-69; <i>Chem. Zentr.</i> 1939, I, 705.—The cholesterol content of the blood was detd. for 277 syphilitic patients in various stages of the disease. On the basis of 340 analyses it was concluded that there is no relation between the stage of the disease and the Wassermann reaction on the one hand and the cholesterol content of the blood and the lipid metabolism on the other. A hypocholesterolemia was found in a high percentage of patients. M. G. Moore</p>																													
<p>ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>																													
1ST GROUP										2ND GROUP										3RD GROUP									
1ST SUBGROUP										2ND SUBGROUP										3RD SUBGROUP									
1ST ELEMENT										2ND ELEMENT										3RD ELEMENT									
1ST PROPERTY										2ND PROPERTY										3RD PROPERTY									
1ST MATERIAL										2ND MATERIAL										3RD MATERIAL									

YASNITSKIY, N. N.

42767. YASNITSKIY, N. N. Klinika i Patogenes Picallergidov. Sbornik Trudov Kliniki Koz-  
nnykh i Vener. Bolezny (Kazan. Gor. Med. In-t). Kazan', 1948, s. 3-17--Bibliogr:  
14 Nazv.

SO: Letopis' Zhurnal'nykh Statey, Vol. 7, 1949

YASNITSKIY, N. N.

42768. YASNITSKIY, N. N. Etiopatogenez Seborreynoy Ekzemy. Sbornik Trudov Kliniki Koznykh i Vener. Boleznay (Kazan, Gos. Med. In-t). Kazan', 1948, s. 18-19.  
SM. Takzhe No. 42726

SO: Letopis' Zhurnal'nykh Statey, Vol. 7, 1949

YASNITSKIY, N. N.

20159 YASNITSKIY, N. N. K ucheniya o klinike, etiologii i patogeneze T.N.  
Mikrobnnykh ekzem .-v ogl i N.N. yasnitskiy. Sbornik trudov vracheb.-san  
sluzhby kazansk. Zh. d., vyp. 2, 1948, s. 94-100

SO: LETOFIS ZHURNAL STATEY, Vol. 27, Moskva, 1949

YASNITSKIY, N.N.

YASNITSKIY, N.N.

Role of organic reactivity in the pathogenesis of skin diseases. Vest.  
vener., Moskva No.1:10-17 Jan-Feb 52. (CJML 21:4)

1. Professor. 2. Of the Clinic for Skin and Venereal Diseases (Director  
Prof. N.N. Yasnitskiy), Kazan' Medical Institute.



YASNITSKIY, N.N., professor (Kazan')

Teaching dermatology in medical institutes. Vest.ven.1 derm. no.2:  
7-11 Mr-Ap '54. (MLRA 7:4)

(Dermatology--Study and teaching)

YASNITSKIY, N.N., prof.

Clinical significance of the resistance to antibiotics of the microflora of healthy skin, of pyodermic foci, and of some dermatoses. Kaz. med. zhur. no. 4:40-42 J1-Ag '60.  
(MIRA 13:8)

1. Iz dermatologicheskoy kliniki (zav. - prof. N.N. Yasnitskiy)  
Kazanskogo meditsinskogo instituta.  
(ANTIBIOTICS) (SKIN--DISEASES)

YASNITSKIY, N., prof.

"Skin diseases; manual on dermatology and venereology", vol.2.  
Vest. dermat. i ven. 36 no.10:84-97 0'62 (MIRA 16:11)

\*

YASNITSKIY, P.A., prof. (Perm'); BARKOV, V.D., dotsent. (Perm')

Development of therapeutic departments at the Perm Medical  
Institute. Trudy Perm. gos. med. inst. 43:105-109 '63.  
(MIRA 17:6)

YASNITSKIY, V.G. (Chita (oblastnoy), Ugdanskaya ul., d. 37. kv. 3)

Diagnosis of gallbladder diseases in gastrectomized patients  
by the jejunal catheterization method. Vest. khir. 90 no. 3:  
64-71 Mr '63. (MIRA 16:10)

1. Iz khirurgicheskogo otdeleniya (zav. - Yu. F. Zhezlova)  
Chitinskoy gorodskoy bol'nitsy (glavnyy vrach - A. V. Krasikova)  
(STOMACH--SURGERY) (GALLBLADDER--DISEASES)

YASNITSKIY, V.V. [deceased]; SKABICHEVSKIY, A.P.

Phytoplankton of Lake Baikal. Trudy Baik. limnol. sta. 15:212-261  
'57. (MIRA 10:8)

(Baikal, Lake--Phytoplankton)

ACC NR: AN6035426

SOURCE CODE: UR/0137/66/000/009/1030/1030

AUTHOR: Derkach, V. D.; Yasnitskiy, Yu. G.; Gol'danskaya, I. I.

TITLE: Some physical properties of niobium monocarbide in the homogeneity region

SOURCE: Ref. zh. Metallurgiya, Abs. 91198

REF SOURCE: Vestn. Kiyevsk. politekhn. in-ta. Ser. mekhtekhnol., no. 2, 1965, 64-67

TOPIC TAGS: niobium compound, carbide, hardness, resistivity, porosity, ceramic pressing, sintering

ABSTRACT: The authors investigated the dependence of the microhardness  $H_u$  and the resistivity  $\rho$  of Nb-C alloys in the region of the homogeneity of the monocarbide of Nb. The NbC samples were prepared by sintering. Hot pressing was under a load of 150 kg/mm<sup>2</sup> in an argon atmosphere at the following temperatures: NbC<sub>0.80</sub> - 2100°, NbC<sub>0.88</sub> - 2200°, and NbC<sub>0.95</sub> - 2350°; the average porosity of the samples amounted in this case to 25 - 30%. The samples were annealed for three hours at 2000° and were slowly cooled for six hours. A plot of the dependence of  $\rho$ ,  $H_u$ , and the lattice period ( $a$ ) on the content of the bound C is presented. The growth of  $H_u$  with increasing C content is attributed to the increase in the binding forces when the carbide approaches the stoichiometric composition, to the increase in the Me-C binding forces, and also to the hindrance of the deformation as a result of the penetration of C atoms into the octahedral pores of the lattice. With increasing C in the phase, the defectness of the Nb atom levels decreases, which decreases also the scattering ability  $\rho$ . With increasing

Card 1/2

UDC: 669.2935'784: 537.3

ACC NR: AR6035426

C content, the period of the NbC increases linearly, this being attributed to the population of the octahedral pores of Nb with C atoms. N. Bogachenko [Translation of abstract]

SUB CODE: 11

Card 2/2



VITKUP, A.B., kand.tekhn.nauk; YASNOBULKA, Kh.R., teknik

Coarse aggregates made of marls from the Kharkov deposits. Sbor.  
trud. IUZHNII no.2:54-57 '59. (MIRA 13:9)

1. Yuzhnyy nauchno-issledovatel'skiy institut po stroitel'stvu.  
(Marl) (Aggregates (Building materials))

VITKUP, A.B., kand.tekhn.nauk; YASNOBULKA, Kh.R., teknik

Activated concrete based on silica compositions to be used in making construction elements. Sbor. trud. IUZHNII no.2:62-72 '59.  
(MIRA 13:9)

1. Yuzhnyy nauchno-issledovatel'skiy institut po stroitel'stvu.  
(Lightweight concrete)

HUBINSHTEYN, Ye.S.; YASNOGORODSKAYA, M.M., red.; KONONOVA, I.B., tekhred.

[Climatic changes; existence and nature of climatic changes]  
K probleme izmeneniia klimata; nalichie i kharakter izmeneniia  
klimata. Leningrad, Gidrometeor.izd-vo, 1946. 83 p. (Trudy  
nauchno-issledovatel'skikh uchrezhdenii. Ser.1. Meteorologiya,  
no.22) (MIRA 12:5)

(Climatology--Charts, diagrams, etc.)

KOSTIN, Sergey Iosifovich, doktor geogr. nauk; YASNOGORODSKAYA, M.M., red.;  
SOLOVYCHIK, A.A., tekhn. red.

[Principles of meteorology and climatology] Osnovy meteorologii i  
klimatologii. Izd. 4., ispr. i dop. Leningrad, Gidrometeor. izd-vo,  
1958. 403 p. (MIRA 11:7)

(Meteorology) (Climatology)

ISAYEV, Eyyub Askerovich,; DROZDOV, O.A., otv. red.; YASNOGORODSKAYA,  
M.M., red.; SERGEYEV, A.N., tekhn. red.

[Succession of several types of synoptic processes] Preemstvennost'  
nekotorykh tipov sinopticheskikh protsessov. Leningrad, Gidro-  
meteor. izd- vo, 1958. 195 p. (MIRA 11:12)  
(Climate)

RUSIN, N.P., otv.red.; YASNOGORODSKAYA, M.M., red.; VLADIMIROV, O.G.,  
tekhn.red.

[Directions for hydrometeorological stations and posts;  
collection of auxiliary tables] Nastavlenie gidrometeorolo-  
gicheskim stantsiiam i postam; sbornik vspomogatel'nykh  
tablits. Leningrad, Gidrometeor. izd-vo. No.3, pts.1 and 2.  
1958. 52 p. (MIRA 13:1)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye gidrometeo-  
rologicheskoy sluzhby.  
(Meteorology--Tables, etc.)

VORONTSOV, Petr Alekseyevich; SELEZNEVA, Ye.S., otv.red.; YASNOGORODSKAYA,  
M.M., red.; BRAYNIHA, M.I., tekhn.red.

[Aerological investigation of the boundary layer of the atmosphere]  
Aerologicheskie issledovaniia pogranichnogo sloia atmosfery.  
Leningrad, Gidrometeor.izd-vo, 1960. 450 p. (MIRA 13:5)  
(Meteorology)

CHEBOTAREV, Aleksandr Ivanovich; SOKOLOV, A.A., otv.red.; YASNOGORODSKAYA,  
M.M., red.; BRAYNIHA, M.I., tekhn.red.

[General hydrology; continental waters] Obshchaya gidrologiia;  
vody sush. Leningrad, Gidrometeor.izd-vo, 1960. 539 p.  
(Hydrology) (MIRA 13:9)



KHRGIAN, A. Kh., otv. red.; YASNOGORODSKAYA, M.M., red.; VLADIMIROV, O.G.,  
tekhn. red.

[Changes and additions to the "Cloud atlas" published in 1957] Izme-  
neniia i dopolneniia k "Atlasu oblakov," izd. 1957 g. Leningrad, Gidro-  
meteor. izd-vo, 1961. 3 p., illus. (MIRA 14:12)

1. Russia (1923-- U.S.S.R.) Glavnoye upravleniye gidrometeorologicheskoy  
sluzhby.

(Clouds)

DEVYATKOVA, Anastasiya Vasil'yevna; TSVETKOVA, Lyudmila Alekseyevna;  
YASNOGORODSKAYA, M.M., red.; VOLKOV, N.V., tekhn. red.

[Agroclimatic atlas of Leningrad Province] Agroklimaticheski  
atlas Leningradskoi oblasti. Leningrad, Gidrometeo-  
izdat, 1961. 16 p. (MIRA 17:3)

KRASNOVA, Klara Stepanovna; TSEYTIN, G.Kh., otv. red.; YASNOGORODSKAYA,  
M.M., red.; SOLOVEYCHIK, A.A., tekhn. red.; BRAYNINA, M.I., tekhn.  
red.

[Atlas of meteorological nomograms] Atlas meteorologicheskikh nomo-  
gram. Leningrad, Gidrometeor.izd-vo, 1961. 42 p. (MIRA 14:12)  
(Meteorology--Tables, etc.)

BOROVIKOV, A.M., kand. fiz.-mat. nauk; KHRGIAN, A.Kh., prof.; SOBOLEV, L.G.,  
otv. red.; YASNOGORODSKAYA, M.M., red.; VLADIMIROV, O.G., tekhn.  
red.

[Abridged cloud atlas for hydrometeorological observations on  
ships] Sokrashchennyi atlas oblakov dlia sudovykh gidrometeoro-  
logicheskikh nabliudenii. Pod red. L.G.Soboleva. Leningrad,  
Gidrometeor. izd-vo, 1961. 52 p. (MIRA 15:2)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye gidrometeorolo-  
gicheskoy sluzhby.

(Couds)

PIVOVAROVA, Z.I., starshiy nauchnyy sotr., otv. red.; MIRONENKO, Z.I., red.;  
YASNOGORODSKAYA, M.M., red.; SOLOVEYCHIK, A.A., tekhn. red.

[Radiation recording manual for hydrometeorological stations] Rukovodstvo gidrometeorologicheskim stantsiiam po registratsii radiatsii. Leningrad, Gidrometeor. izd-vo, 1961. 118 p. (MIRA 14:8)

1. Russia (1923- U.S.S.R.) Glavnaya geofizicheskaya observatoriya im. A.I.Voeikova.  
(Meteorology—Observers' manuals) (Solar radiation)

RUDNEVA, Anna Vladimirovna; DROZDOV, O.A., otv. red ; YASNOGORODSKAYA,  
M.M., red.; SERGEYEV, A.N., tekhn. red.

[Glazed frost and icing of electric lines in the U.S.S.R.] Gol-  
led i obledenienie provodov na territorii SSSR. Leningrad, Gidro-  
meteor. izd-vo, 1961. 174 p. maps. (MIRA 14:9)  
(Electric lines—~~Overhead~~)

PETROV, Viktor Pavlovich; SOCHIVKO, Arkadiy Arkadiyevich; KROSHKIN, M.G.,  
kand. fiziko-matem. nauk, retsenzent; YASNOGORODSKAYA, M.M., red.;  
BRAYHINA, M.I., tekhn. red.

[Artificial earth satellites and the weather] Iskusstvennye sputniki  
Zemli i pogoda. Leningrad, Gidrometeor. izd-vo, 1961. 182 p.

(MIRA 14:11)

(Artificial satellites in meteorology)

VORONTSOV, Petr Alekseyevich; STERNZAT, M.S., otv. red.; YASNOGORODSKAYA,  
M.M., red.; BRAYNINA, M.I., tekhn. red.

[Methods for aerological investigation of the atmospheric  
boundary layer] Metody aerologicheskikh issledovaniy po-  
granichnogo sloia atmosfery. Leningrad, Gidrometeor. izd-vo,  
1961. 221 p. (MIRA 14:10)  
(Meteorology—Observations)



BERLYAND, Tamara Grigor'yevna; BUDYKO, M.I., otv. red.; USHAKOVA, T.V.,  
red.; YASNOGORODSKAYA, M.M., red.; BRAYNINA, M.I., tekhn. red.

[Distribution of solar radiation over continents] Raspredelenie  
solnechnoi radiatsii na kontinentakh. Leningrad, Gidkrometeor.  
izd-vo, 1961. 255 p. maps. (MIRA 14:9)  
(Solar radiation)

LEBEDEV, Vladimir Vasil'yevich; DAVYDOV, L.K., doktor geogr. nauk, prof.,  
retsenzent; YASNOGOROLSKAYA, M.M., red.; BRAYNINA, M.I., tekhn. red.

[Hydrology and hydrometry in problems] Gidrologiia i gidrometriia v  
zadachakh. 3. dop. i perer. izd. Leningrad, Gidrometeor.izd-vo, 1961.  
699 p. (MIRA 14:12)

1. Zaveduyushchiy kafedroy gidrologii sushi Leningradskogo gosudarstven-  
nogo universiteta (for Davidov).

(Hydrology)

PROSKURYAKOV, A.K., kand. tekhn. nauk, otv. red.; YASNOGORODSKAYA,  
M.M., red.; ALEKSEYEV, A.G., tekhn. red.; FLAUM, M.Ya.,  
tekhn. red.

[Ice on rivers; album of photographs] Led na rekakh; al'bom  
fotografii. Leningrad, Gidrometeoizdat, 1962. 55 p.

(MIRA 16:5)

1. Leningrad. Gosudarstvennyy gidrologicheskiy institut.  
(Ice on rivers, lakes, etc.—Pictorial works)

KONDRAT'YEV, Kirill Yakovlevich; FILIFOVICH, O.P., otv. red.;  
YASNOGORODSKAYA, M.M., red.; BRAYNINA, M.I., tekhn. red.

[Meteorological research by means of rockets and artificial satellites] Meteorologicheskie issledovaniia s pomoshch'iu raket i sputnikov. Leningrad, Gidrometeor. izd-vo, 1962. 251 p.  
(MIRA 15:6)

(Rockets in meteorology)

(Artificial satellites in meteorology)

PED', D.A.; TURKETTI, Z.L.; POGOSYAN, Kh.P., prof., red.; YASNOGORODSKAYA,  
M.M., red.; FLAUM, M.Ya., tekhn. red.

[Atlas of daily ranges of air temperature in the U.S.S.R.] Atlas  
sutochnykh amplitud temperatury vozdukha v SSSR, Pod red. KH.P.  
Pogosiana. Leningrad, Gidrometeorizdat, 1962. 101 p.  
(MIRA 15:6)

(Atmospheric temperature)

DROZDOV, O.A., doktor geogr. nauk, red.; RUBINSHTEYN, Ye.S., doktor geogr. nauk, red.; YASNOGORDSKAYA, M.M., red.; ALEKSEYEV, A.G., tekhn. red.; BRAYNINA, M.I., tekhn. red.

[Transactions of the All-Union Meteorological Conference]  
Trudy Vsesoiuznogo nauchnogo meteorologicheskogo soveshchaniia. Leningrad, Gidrometeor. izd-vo. Vol.4. [Section on climatology] Sektsiia klimatologii. Pod red. O.A.Drozdova, E.S.Rubinshtein. 1962. 526 p. (MIRA 16:3)

1. Vsesoyuznoye nauchnoye meteorologicheskoye soveshchaniye. 1st, Leningrad, 1961. 2. Leningradskiy gosudarstvennyy universitet (for Drozdov). 3. Glavnaya geofizicheskaya observatoriya (for Rubinshteyn).

(Climatology)

OBUKHOV, A.M., red.; YUDIN, M.I., doktor fiz.-matem. nauk, red.;  
YASNOGORODSKAYA, M.M., red.; BRAYNINA, M.I., tekhn. red.

[Transactions of the All-Union Scientific Meteorological  
Conference] Trudy Vsesoyuznogo nauchnogo meteorologicheskogo  
soveshchaniia, 1961. Leningrad, Gidrometeoizdat. Vol.2.  
[Dynamic meteorology] Dinamicheskaya meteorologiya. Pod red.  
A.M.Obukhova i M.I.Iudina. 1963. 241 p. (MIRA 16:7)

1. Vsesoyuznoye nauchnoye meteorologicheskoye soveshchaniye,  
1961. 2. Chlen-korrespondent AN SSSR (for Obukhov). 3. Glav-  
naya geofizicheskaya observatoriya (for Yudin).  
(Meteorology)

LUCHSHEVA, Aleksandra Anatol'yevna; NEGOVSKAYA, T.A., otv. red.;  
YASNOGORODSKAYA, M.M., red.; BRAYNINA, M.I., tekhn. red.

[Collection of problems on hydrometry] Sbornik zadach po  
gidrometrii. Leningrad, Gimizd., 1963. 294 p.

(MIRA 16:9)

(Hydraulic measurements)



ALPAT'YEV, A.M., doktor sel'khoz. nauk, prof.; RUDENKO, A.I., otv.  
red.; YASNOGORODSKAYA, M.M., red.; SOLOVEYCHIK, A.A.,  
tekhn. red.

[Moisture cycle of cultivated plants] Vlogooborot kul'tur-  
nykh rastenii. Leningrad, Gidrometeoizdat, 1954. 247 p.  
(MIRA 16:7)

(Plants--Water requirements)

KHROMOV, Sergey Petrovich; MAMONTOVA, Lidiya Ivanovna; MATVEYEV,  
L.T., otv. red.; YASHOGORODSKAYA, M.M., red.; BRAYNIHA,  
M.I., tekhn. red.

[Meteorological dictionary] Meteorologicheskii slovar'.  
Izd.2., perer. i dop. Leningrad, Gidrometeorizdat, 1963.  
619 p. (MIRA 17:1)

(Meteorology—Dictionaries)

ZAIIKA, N.I.; NEMETS, O.F.; YASNOGORODKSIY, A.M.

Studying the lower states of  $\text{Ge}^{74}$ ,  $\text{Se}^{78}$ ,  $\text{Zr}^{93}$ , and  $\text{Zr}^{95}$  with  
the aid of stripping reactions. Izv. AN SSSR. Ser. fiz. 28  
no. 7:1160-1163 J1 '64 (MIRA 17:8)

1. Institut fiziki AN UkrSSR.

STERNZAT, M.S., kand. fiz.-mat. nauk, red.; BELEN'KAYA, L.L.,  
red.; YASNOGORSKAYA, M.M., red.; NIKOLAYEVA, G.S.,  
tekhn. red.

[Transactions of the All-Union Scientific Meteorological  
Conference] Trudy Vsesoiuznogo nauchnogo meteorologicheskogo  
soveshchaniia. Leningrad, Gidrometeorizdat. Vol.9.[In-  
struments and observation methods] Pribory i metody nabliu-  
denii. Pod red. M.S.Sternzata. 1963. 396 p. (MIRA 17:3)

1. Vsesoyuznoye nauchnoye meteorologicheskoye soveshchaniye.
2. Glavnaya geofizicheskaya observatoriya imeni A.I.  
Voyeykova, Leningrad (for Sternzat).

LEBEDEV, Aleksey Nikolayevich; GOL'TSBENG, I.A., otv. red;  
YACHOGORODEKAYA, M.M., red.

[Atlas of maps and nomograms for calculating the characteristics of the duration of precipitation in periods with rain and without rain on the territory of the U.S.S.R.] Atlas kart i nomogram dlia rascheta kharakteristik prodolzhitel'nosti osadkov periodov s dozhdami i bez dozhdei na territorii SSSR. Leningrad, Gidrometeoizdat, 1964. 85 p. (MIRA 17:8)

RUDNEV, German Viktorovich; GUREVICH, T.V., retsenzent; KRUPPE,  
V.A., retsenzent; KULIK, M.S., otv. red.;  
YASNOCORODSKAYA, M.M., red.

[Agricultural meteorology] Agrometeorologiya. Leningrad,  
Gidrometeoizdat, 1964. 277 p. (MIRA 17:8)

KHIVOSTIKOV, Ivan Andreyevich; KUKLOVA, L.R., otv. red.;  
YASNOCORODOKAYA, M.M., red.

[Upper layers of the atmosphere] Vysokie sloi atmosfery.  
Leningrad, Gidrometeoizdat, 1964. 605 p. (MIRA 17:7)

SKVORTSOV, Aleksey Aleksandrovich, zasl. deyatel' nauki Uzb.SSR,  
doktor geogr. nauk [deceased]; YASNOGORODSKAYA, M.M.,  
red.

[Irrigation of farm fields and the microclimate; re-  
search methods and results. Collection of selected works]  
Oroshenie sel'skokhoziaistvennykh polei i mikroklimat; me-  
todika i rezul'taty issledovaniy. Sbornik izbrannykh  
proizvedeniy. Leningrad, GIMIZ, 1964. 274 p.  
(MIRA 17:9)



SKVORTSOV, Aleksey Aleksandrovich, prof. [deceased]; TSUBERBILIER,  
Ye.A.; YASNOGORODSKAYA, M.M., red.

[Irrigation of farm fields and the microclimate; methods  
and results of research. A collection of selected works]  
Oroszenie sel'skokhoziaistvennykh poley i mikroklimat;  
metodika i rezul'taty issledovaniy. Sbornik izbrannykh  
proizvedeniy. Leningrad, GIMIZ 1964. 274 n.  
(MIRA 17:9)

KUNITS, Aleksandr Vladimirovich; MATVEYEV, Mikhail Vladimirovich;  
BARANOV, A.M., doktor geogr. nauk; YASKOCHEODSKAYA, M.M.,  
red.

[Synoptic meteorology] Sinopticheskaya meteorologiya. Le-  
ningrad, Gidrometeoizdat, 1964. 317 p. (MIRA 17:12)

MATVEYEV, Leonid Tikhonovich; YANKOVSKIY, I.A., otv. red.;  
YASNOCORODSKAYA, M.M., red.

[Principles of general meteorology: Physics of the atmosphere] Osnovy obshchei meteorologii: Fizika atmosfery.  
Leningrad, Gidrometeoizdat, 1965. 875 p. (MIRA 18:12)

ZAKHAROV, Pavel Sergeyevich; TSUBERBILLER, Ye.A., otv. red.;  
MAKHON'KO, K.P., otv. red.; YASNOGORODSKAYA, M.M., red.

[Dust storms] Pyl'nye buri. Leningrad, Gidrometeorizdat,  
1965. 163 p. (MIRA 19:1)

KIRILLOV, Valerian Valerianovich; DMITRIYEV, I.N., retsenzent;  
MATVEYEV, L.T., otv. red.; YASNOGORODSKAYA, M.M., red.

[International System of Units of Measurement (SI) in  
meteorology] Mezhdunarodnaia sistema edinits izmerenii  
(SI) v meteorologii. Leningrad, Gidrometeoizdat, 1965.  
150 p. (MIRA 19:1)

YASNOGORSKIY, V.G.

Apparatus for ultrasonic therapy. Vop. kur., fizioter. i  
luch. fiz. kul't. 26 no. 5:1465-1466 SMO '63. (MIRA 17:9)

ZAKHA, N. I.; NEMETS, O. F.; YASNOGORODSKIY, A. M.

"Investigation of Low States of  $\text{Ge}^{74}$ ,  $\text{Se}^{78}$ ,  $\text{Zr}^{93}$ ,  $\text{Zr}^{95}$  with the Help of Stripping Reactions."

report submitted for All-Union Conf on Nuclear Spectroscopy, Tbilisi, 14-22 Feb 64.

IF, UkrSSR (Inst Physics, AS UkrSSR)

ACCESSION NR: AP4042959

8/0048/64/028/007/1160/1163

AUTHOR: Zaika, N.I.; Nemets, O.F.; Yasnogorodskiy, A.M.

TITLE: Investigation of the low lying states of germanium 74, selenium 78, zirconium 93 and zirconium 95 by means of the stripping reaction Report, 14th Annual Conference on Nuclear Spectroscopy held in Tibilisi 14-21 Feb 1964

SOURCE: AN SSSR. Izv. Seriya fizicheskaya, v.28, no.7, 1964, 1160-1163

TOPIC TAGS: nuclear reaction, nuclear structure, germanium, selenium, zirconium

ABSTRACT: The (d,p) cross sections of  $\text{Ge}^{73}$ ,  $\text{Se}^{77}$ ,  $\text{Zr}^{92}$  and  $\text{Zr}^{94}$  for 13.6 MeV deuterons were measured with several scintillation spectrometers and absorbers. The targets consisted of powders of the enriched oxides or elements on polystyrene supports. The absolute cross sections were obtained by comparing the proton flux from the stripping reaction with the flux of elastically scattered deuterons, and comparing the latter with Rutherford's formula. An accuracy of 20% is claimed; the large error is ascribed principally to the difficulty of distinguishing the deuterons scattered elastically by the target nuclei from those scattered by carbon and oxygen nuclei in the support. Proton angular distributions are presented graphically for the

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ACCESSION NR: AP4042959

ground states of all four nuclei, for one excited state of  $\text{Ge}^{74}$  and  $\text{Zr}^{95}$ , and for two excited states of  $\text{Se}^{78}$  and  $\text{Zr}^{93}$ . These angular distributions were in good agreement with Butler's theory. The possible and most probable spins and parities of the states were determined and are tabulated. The reduced widths and spectroscopic factors were derived by the method of M.H. Macfarlane and J.B. French (Rev. Mod. Phys. 23, 567, 1960) and are tabulated. The experimental results for  $\text{Ge}^{74}$  and  $\text{Se}^{78}$  are discussed in terms of the collective model, which has been successfully applied to the interpretation of the Coulomb excitations of these nuclei (F.K. McGowan, and P.H. Stelson, Phys. Rev. 126, 257, 1962). The ratio of the reduced width of the first excited state to that of the ground state was found to be in agreement with the theoretical prediction for both nuclei. The resolution achieved in the measurement of the proton angular distribution for the second excited state of  $\text{Se}^{78}$  was not sufficient for an adequate comparison with the theory. The spectroscopic factors found for the ground states of  $\text{Zr}^{93}$  and  $\text{Zr}^{95}$  were in good agreement with those calculated with the shell model, and with those found by B.L. Cohen and O.V. Chubinsky (Phys. Rev. 131, 2184, 1963). The neutron was captured by  $\text{Zr}^{92}$  and  $\text{Zr}^{94}$  in a  $d_{5/2}$  state when the ground state was formed, and in an  $s_{1/2}$  state when the first excited state was formed. This is in agreement with the findings of N.I. Zaika, O.F. Nemets and V.V. Tokarevskiy

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ACCESSION NR: AP4042059

(Zhur.eksper.1 teor.fiz.44,17,1963) for other nuclei in the same region of the periodic system. Orig.art.has: 9 figures and 1 table.

ASSOCIATION: Institut fiziki Akademii nauk USSR (Institute of Physics of the Academy of Sciences, USSR)

SUBMITTED: 00

ENCL: 00

SUB CODE: NP

NR REF SOV: 002

OTHER: 006

3/3

YASNOGORODSKIY, A.Ya., prof.; DUSMURATOV, M.D., kand. med. nauk

Cancer of the ileocecal angle and acute appendicitis.  
Khirurgiia 39 no.10:113-116 O '63. (MIRA 17:9)

1. Iz kafedry gospiatal'noy khirurgii (zav.- prof. A.Ya.  
Yasnogorodskiy) Andizhanskogo meditsinskogo instituta.

YASOGORODSKIY, A.Ya.  
YASOGORODSKIY, A.Ya.

Treatment of acute epiduritis. Vop.neirokhir. 19 no.4:58-59  
J1-Ag '55. (MLRA 8:10)

1. Is Kaliningradskoy oblastnoi bol'nitsy.  
(BRAIN, diseases,  
epiduritis, ther.)

YASNOGORODSKIY, A.Ya., prof.; AKHMEDZHAYEV, U.Kh., kand.med.nauk

Ruptures of hydronephroses. Kaz. med. zhur.no.1:56-58 Ja-  
F'63. (MIRA 16:8)

1. Kafedra gospital'noy khirurgii (zav. - prof. A.Ya.  
Yasnogorodskiy) Andizhanskogo meditsinskogo instituta.  
(KIDNEYS—DISEASES)

YASNOGORODSKIY, I. L.

**New electrothermic treatment of metals.** I. Z. Yasnogorodskii. *Vestnik Metalloprof.* 15, No. 9, 1005 (1935); *Chem. Zentr.* 1937, 1, 1781-2. A casehardening process for machine parts using the Lagrange-Hobbs effect is reported. This effect depends on the passage of a current through an electrolyte whose aq. soln., as a result of

secondary reactions, gives H at the cathode and O at the anode. At a sufficiently high voltage (220 v.) the passage of the current through the H layer, which has a very high resistance, causes heating of the metal piece. Directions for carrying out the process practically are given. The following advantages in casehardening cam shafts by this method are pointed out: markedly shorter treatment; shorter cold working for the removal of the cementation layer between the cams; shorter and easier readjustment; and less waste. Metallographically the hardened shafts showed a martensite layer of uniform cross section, 0.7-1.0 mm in depth, following a troostite to a troostite + martensite layer, as well as a welder layer, with a total thickness of 2.6-3 mm. Throughout, a gradual transition from one layer into another was noted. The hardened surface had a Rockwell of 53-55, while the core was 15-20. The total time required for hardening a shaft by the new method was 3-4 min. M. G. Moore

M. G. Moore

430-364 METALLURGICAL LITERATURE CLASSIFICATION

YASHOBORODSKY, I. Z. 9

CP

Processes and Properties

Tempering of high-speed steels. I. Z. Yashoborodskiy. *Chem. Zvezdy*, 1937, 1, 281. - Investigations are reported on 3 high-speed steels of the following composition: (1) C 0.72, Cr 4.2, W 17.2, V 1.06; (2) C 0.69, Cr 4.35, W 11.25, V 2.04; and (3) C 0.62, Cr 2.97, W 17.7, V 0.72 and Co 6.5%. The most satisfactory tempering temp. and the influence of this temp. on the hardness and cutting qualities were determined. With a quenching temp. of 1250-1300°, the most satisfactory tempering temp. was 500-520°. With other conditions constant, a higher tempering temp. results in an acceleration of the martensite decomposition, and thus a reduction in hardness. Repeated tempering produces an accelerated austenite decomposition, as compared to a continuous tempering. It is recommended that all precautions be taken to accelerate the decomposition of austenite into martensite, especially repeated tempering. M. G. Moore

ASAC-56.6 METALLURGICAL LITERATURE CLASSIFICATION

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YASNOGORODSKY, I. Z.

Metallurgical Abstracts  
July 1954  
Heat Treatment

3  
3  
✓ Electrolytic Heating as a Means of Improvement of Drawing Processes. S. I. Gubkin and V. S. Murza (*Doklady Akad. Nauk S.S.S.R.*, 1953, 91, (4), 503-505).—[In Russian]. The advantages of continuous electrolytic bright annealing of wire before each pass of drawing processes are described; the chief ones are that the process can be made continuous

and that the number of passes can be considerably reduced. The heating process, which is normally applied to hardening (I. Z. Yasnogorodsky, "Heating of Metals and Alloys in Electrolytes", Moscow: 1947) is discussed. 3 ref. (Translated by the National Science Foundation, Washington (NSF-tr-142)).—D. M. P.

YASNGORCESKIY, I. Z.

The tempering of metals and alloys in an electrolyte. Moskva Gos. nauch.-tekhn.  
izd-vo mashinostroit. lit-ry 1949 126 p. (50-27576)

TN686.I 3

1. Electrometallurgy.

*YASNOGORODSKIY, I. Z.*

USSR/Miscellaneous - Heat Treating

Card 1/1 : Pub. 12 - 9/14

Authors : Yasnogorodskiy, I. Z., Recipient of Stalin Premium

Title : Nature of the electrical heating process in electrolyte

Periodical : Avt. trakt. prom. 3, 23-27, March 1954

Abstract : Thermal treatment of metal objects through electrical heating in electrolyte considered a highly effective means of strengthening machine parts, is described. The electro-chemical and electro-erosion processes taking place during the heating in an electrolyte improve the cooling conditions of the heated surface of the object during hardening and warrant the obtainment of uniform and high hardness of steel. The nature of such electrical heating process in an electrolyte, is explained. Tables; graphs.

Institution : The Tractor Plant, Altay

Submitted : ...

YASNOGORODSKIY, I. Z.

USSR/Physics - Conductivity

Card 1/1 : Pub. 12 - 6/12

Authors : Yasnogorodskiy, I. Z., Recipient of Stalin Premium

Title : Conductivity of electrolyte baths

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Abstract : The conductivity of an electrical current in various electrolyte baths was investigated by the Central Scientific Research Bureau of the Altay Tractor Plant and the results are described. The specific electrical conductivity of electrolytes increases with the increase in rate of motion and concentration of ions. It was established that the specific electrical conductivity in the case of weak solutions affects the appearance of spark discharges in the cathode. The origination of spark discharges in the cathode is due to different concentrations of electrolytes of uniform electrical conductivity. The effect of electrolyte temperature on its conductivity is explained. Tables; graphs; drawings.

Institution : The Tractor Plant, Altay

Submitted : .....